

Healthcare expenditure of multiple sclerosis patients in 2013: a nationwide study based on French health administrative databases

Supplementary Material

Supplemental Table 1. Symptomatic treatments dispensed in pharmacies

	MS patients (N=90,288)	Expenditure reimbursed by French national health insurance in € million
Analgesics	81%	6.4
Antiinfectives	59%	2.8
Anxiolytics - Hypnotics	38%	1.1
Antidepressants	33%	4.3
Laxatives	26%	0.9
Medications to treat neuropathic pain	23%	8.4
Medications to treat muscle stiffness	21%	5.4
Genitourinary or sphincter drugs	19%	0.2
Medications to treat gait disorders	13%	11.7
Medications to treat tremor	8%	0.1
Medications to treat sexual dysfunction	1%	2.3
Corticosteroids	31%	0.7
Methylprednisolone	8%	0.4

Supplemental Table 2. Hospitalisation

	MS patients (N=90,288)	Number of hospital stays	Average length of stay (days)
Short-stay units	41%	147,535	1.4
<1 night	25%	113,688 (77%)	0.0
≥1 night	22%	33,847 (23%)	5.8
Rehabilitation units	10%	14,697	19.7
Psychiatry	1%	1633	26.7
Home-care units	1%	1388	59.5

Supplemental Table 3. Visits to general practitioners, neurologists, psychiatrists, nurses and physiotherapists

	MS patients (N=90,288)	Number of visits in 2013, for MS patients concerned by the item Median [IQR]
General practitioners	92%	6 [3 - 10]
Neurologists	52%	2 [1 - 3]
Psychiatrists	21%	2 [1 - 3]
Nurses	58%	4 [2 - 19]
Physiotherapists	46%	43 [16 - 83]

IQR, interquartile range

Supplemental Table 4. Sickness benefits in multiple sclerosis (MS) patients under the age of 60 years paid by French national health insurance in 2013 (General scheme excluding students and civil servants)

	MS patients (N=60,431)	Average annual reimbursement per MS patient concerned by the item (€)
Disability pension	18,286 (30%)	9720
Sick pay	12,873 (21%)	2453
Median number of days of sick leave (IQR)	29 (8, 117)	

IQR, interquartile range

Supplemental Table 5. Average annual expenditure reimbursed by the French National Health Insurance to patients with long-term disease status in 1994, 2004 and 2013 and affiliated to general scheme excluding students and civil servants

	1994 (€2013 ^a)	2004 (€2013 ^a)	2013 (€2013 ^a)
Total expenditure	7700 (100%)	11,626 (100%)	12,658 (100%)
Pharmacy	1016 (13%)	4967 (43%)	5999 (47%)
Hospitalisation (public and private)	3357 (43%)	3526 (30%)	3114 (25%)
Other healthcare consumption ^b	3326 (44%)	3133 (27%)	3545 (28%)

^a 1994 and 2004 expenditures were converted to 2013 euros, based on the French consumer price index to estimate inflation (1.152 to convert 2004 euros to 2013 euros, and 1.345 to convert 1994 euros to 2013 euros) (www.insee.fr), to allow comparison of expenditures computed in 1994, 2004 and 2013.

^b medical fees (physician visits and imaging, including hospital outpatient consultations), paramedical fees (such as nurses and physiotherapists), medical devices, laboratory tests, transportation.